CERTIFICATE OF ANALYSIS

PRODUCT NAME:	Certified Organic CBD Tincture - Mint
PRODUCT STRENGTH:	2250 mg
FILL LOT NUMBER:	210208B
TINCTURE BATCH:	210215H
BEST BY DATE:	08/16/2022
HEMP EXTRACT LOT	**C0125-001**

Click on the links to view third-party reports

Physical Atttributes

Test	Method	Specification	Results
Color	SOP-100	Golden to Amber	PASS
Odor	SOP-100	Characteristic - Olive and hemp, minty	PASS
Appearance	SOP-100	Golden to Amber oil in brown glass bottle with dropper	PASS
Primary Package Eval.	SOP-132	Container clean and free of filth. Container caps tight and shrink bands intact	PASS
Secondary Package Eval.	SOP-132	Labeling Compliance Checked, Cartons sturdy and clean. Sufficient cushion material exists. Box taped and secure.	PASS

Review of Third-Party Analysis

Panel	Method	Specification	Results*	Pass/Fail
Potency - Total CBD	SOP-111	2250-2812.5 mg CBD LOQ**: 10 PPM† (0.001%)	**2451 mg**	PASS
Potency - D9-THC	SOP-111	None Detected LOQ: 10 PPM (0.001%)	**ND**	PASS
Compliant Pesticide Panel	SOP-111	WIP-100008 : Product specification for Tinctures, Oregon Action limits apply	**ND**	PASS
Microbial - Stec E.Coli	SOP-111	Complies with USP 61/62	**Below LOQ**	PASS
Microbial - Salmonella	SOP-111	Complies with USP 61/62	**Below LOQ**	PASS
Microbial - Yeast and Mold	SOP-111	Complies with USP 61/62	**Below LOQ**	PASS
CA Compliant Heavy Metal Panel	SOP-111	Arsenic (As): ≤1.5 PPM Cadmium (Cd): ≤0.5 PPM Mercury (Hg): ≤1.0 PPM Lead (Pb): ≤0.5 PPM	**ND**	PASS

* *Level of Quantitation, † Parts Per Million

Quality Certified — Kei Horikawa — 03/01/2021

Kei Horikawa
Quality Control Manager

Date

ORG BS OEVOO Mint 2250

Certificate of Analysis

total cannabinoids
86 mg
per
mL

Δ9-THC	THCa	total THC
0.00 mg	0.00 mg	0.00 mg
CBD	**CBDa**	**total CBD**
81.7 mg	0.00 mg	81.7 mg

Lot# 210208B

This Product Has Been Tested and Complies with 7USC1639o(1) Definition of Hemp

ISO/IEC 17025:2017
ACCREDITED
Certificate #4961.01
https://portal.a2la.org/scopepdf/4961-01.pdf

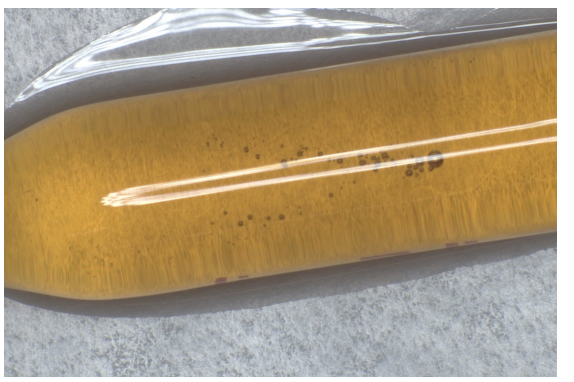
Stillwater Laboratories

Sample Handling

test ID	**9824.1**	sample wt	
type		order	**9824**
lab ID	**1BK56**	sample date	2/12/2021
unit	mL	unit weight	**0.9 g**

Methods

	method	equipment
weights	MSP-7.3.1.3	AUX120.1
potency	MSP-7.5.1.5	LC-2030
terpenes	MSP-7.5.1.7	QP2020/HS20
pesticides	MSP-7.5.1.8	LC-8060
mycotoxins	MSP-7.5.1.8	LC-8060
microbial	MSP-7.5.1.1	AriaMx/Hardy
solvents	MSP-7.5.1.6	QP2020/HS20
metals	MSP-7.5.1.1	ICPMS2030



Potency

per mL			estimated error
tetrahydrocannabolic acid (THCa)	0%	0.00 mg	± 0.01 mg
Δ^9-tetrahydrocannabinol (Δ^9 THC)	0%	0.00 mg	± 0.01 mg
Δ^8-tetrahydrocannabinol (Δ^8 THC)	0%	0.00 mg	± 0.01 mg
tetrahydrocannabivarin (THCv)	0%	0.00 mg	± 0.01 mg
cannabidiolic acid (CBDa)	0%	0.00 mg	± 0.01 mg
cannabidiol (CBD)	8.97%	81.7 mg	± 0.22 mg
cannabidivarin (CBDv)	.02%	0.19 mg	± 0.02 mg
cannabigerolic acid (CBGa)	0%	0.00 mg	± 0.01 mg
cannabigerol (CBG)	.46%	4.23 mg	± 0.05 mg
cannabinol (CBN)	0%	0.00 mg	± 0.01 mg
cannabichromene (CBC)	.03%	0.25 mg	± 0.02 mg

Terpenes

%	estimated error	%	estimated error	%	estimated error

terpenes
not tested / not required

Solvents

MT limit | 1BK56 | LOQ

Pesticides (MT)

MT limit | 1BK56 | LOQ

pesticides
not tested / not required

Pesticides (other)

1BK56 | LOQ

not tested / not required

Toxic Metals

MT limit | 1BK56 | LOQ

metals
not tested / not required

Microbial

MT limit | 1BK56 | LOQ

microbial not tested

Comments

POTENCY RERUN WITH SIMILAR RESULTS

• All testing was completed onsite at 6073 US93N, Olney MT •• Potency (cannabinoid concentration) is calcuated from the equation: [cannabioid] = $[\text{cannabinoid}]_{HPLC}$ x $\text{volume}_{dilution}/m_{dry}$. Terpene concentration is calcuated from the equation: [terpene] = $(\text{terpene mass})_{GCMS}$ / m_{dry}. ••• Decarboxyted cannabinoid concentration is calculated from the equation XXX_{total} = 0.877 x XXXa + XXX •••• Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; this is combined with error from weighing and dilution using the propagation of error formula $s_g^2 = \sum(\partial f/\partial i)^2 s_i^2$ where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration) ± t_{CL90} x s_g. Sampling error is not

Certified by:

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Deputy Director
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C0125-001

Certificate of Analysis

total cannabinoids

89.4%

25656

	CBD	THC
total	83.9%	0.0%
decarb total	83.87%	0%

This Product Has Been Tested and Complies with 7USC1639o(1) Definition of Hemp

ISO/IEC 17025:2017

ACCREDITED

Certificate #4961.01

https://portal.a2la.org/scopepdf/4961-01.pdf

Stillwater Laboratories

Sample Handling

test ID — sample date 1/26/21 12:33 PM

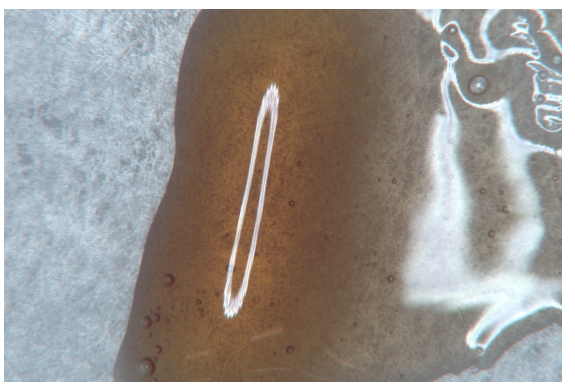
order **9634** labID **1AW04** weight

source 1Z78V4E80196231002

Methods

	method	equipment
weights	MSP-7.3.1.3	AUX120.1
potency	MSP-7.5.1.5	LC-2030
terpenes	MSP-7.5.1.7	QP2020/HS20
pesticides	MSP-7.5.1.8	LC-8060
mycotoxins	MSP-7.5.1.8	LC-8060
microbial	MSP-7.5.1.1	AriaMx/Hardy
solvents	MSP-7.5.1.6	QP2020/HS20
metals	MSP-7.5.1.11	ICPMS2030

concentrate



Potency

	%	estimated error
tetrahydrocannabolic acid (THCa)	0%	± 0.02 %
Δ^9-tetrahydrocannabinol (Δ^9 THC)	0%	± 0.02 %
Δ^8-tetrahydrocannabinol (Δ^8 THC)	0%	± 0.02 %
tetrahydrocannabivarin (THCv)	0%	± 0.02 %
cannabidiolic acid (CBDa)	0%	± 0.02 %
cannabidiol (CBD)	83.87%	± 0.75 %
cannabidivarin (CBDv)	.63%	± 0.07 %
cannabigerolic acid (CBGa)	0%	± 0.02 %
cannabigerol (CBG)	4.94%	± 0.18 %
cannabinol (CBN)	0%	± 0.02 %
cannabichromene (CBC)	0%	± 0.02 %

Terpenes

%	estimated error	%	estimated error	%	estimated error

terpenes
not tested / not required

Solvents

	MT limit	1AW04	LOQ
propane	5,000	PASS	<10ppm
butanes	5,000	PASS	<10ppm
pentanes	5,000	PASS	<10ppm
hexanes	290	PASS	<10ppm
cyclohexane	3,880	PASS	<10ppm
heptanes	5,000	PASS	<10ppm
methanol	3,000	PASS	<10ppm
isopropanol	5,000	PASS	<10ppm
acetone	5,000	PASS	<10ppm
ethyl acetate	5,000	PASS	<10ppm
benzene	2	PASS	<0.2ppm
toluene	890	PASS	<10ppm
xylenes	2,170	PASS	<10ppm
chloroform	2	PASS	<0.2ppm
dichloromethane	600	PASS	<10ppm
acetonitrile	NA	N/A	<10ppm
ethanol	NA	N/A	<10ppm
tetrahydrofuran	NA	N/A	<10ppm

Pesticides (MT)

	MT limit	1AW04	LOQ
abamectin	2.50 ppm	PASS	<10ppb
acequinocyl	10.00 ppm	PASS	<10ppb
bifenazate	1.00 ppm	PASS	<10ppb
bifenthrin	1.00 ppm	PASS	<10ppb
chlormequat cl.	5.00 ppm	PASS	<10ppb
cyfluthrin	5.00 ppm	PASS	<80ppb
diaminozide	5.00 ppm	PASS	<10ppb
etoxazole	1.00 ppm	PASS	<10ppb
fenoxycarb	1.00 ppm	PASS	<10ppb
imazalil	1.00 ppm	PASS	<10ppb
imidacloprid	2.00 ppm	PASS	<10ppb
myclobutanil	0.60 ppm	PASS	<10ppb
paclobutrazol	2.00 ppm	PASS	<10ppb
pyrethrins	5.00 ppm	PASS	<10ppb
spinosad	1.00 ppm	PASS	<10ppb
spiromesifen	1.00 ppm	PASS	<10ppb
spirotetramat	1.00 ppm	PASS	<10ppb
trifloxystrobin	1.00 ppm	PASS	<10ppb

Pesticides (other)

	1AW04	LOQ
acephate	0.00 ppm	<10ppb
acetamiprid	0.00 ppm	<10ppb
aldicarb	0.00 ppm	<10ppb
azoxystrobin	0.00 ppm	<10ppb
boscalid	0.00 ppm	<10ppb
carbaryl	0.00 ppm	<10ppb
carbofuran	0.00 ppm	<10ppb
chloantraniliprole	0.00 ppm	<10ppb
chlorpyrifos	0.00 ppm	<10ppb
clofentezine	0.00 ppm	<10ppb
cypermethrin	0.00 ppm	<10ppb
diazinon	0.00 ppm	<10ppb
dichlorvos	0.00 ppm	<10ppb
dimethoate	0.00 ppm	<10ppb
etofenprox	0.00 ppm	<10ppb
fenpyroximate	0.00 ppm	<10ppb
fipronil	0.00 ppm	<10ppb
flonicamid	0.00 ppm	<10ppb
fludioxonil	0.00 ppm	<10ppb
hexythiazox	0.00 ppm	<10ppb
kresoxym-methyl	0.00 ppm	<10ppb
malathion	0.00 ppm	<10ppb
metalaxyl	0.00 ppm	<10ppb
methiocarb	0.00 ppm	<10ppb
methomyl	0.00 ppm	<10ppb
oxamyl	0.00 ppm	<10ppb
permethrins	0.00 ppm	<10ppb
phosmet	0.00 ppm	<10ppb
piperonyl butoxide	0.00 ppm	<10ppb
prallethrin	0.00 ppm	<10ppb
propiconazole	0.00 ppm	<10ppb
pyridaben	0.00 ppm	<10ppb
spiroxamine	0.00 ppm	<10ppb
tebuconazole	0.00 ppm	<10ppb
thiacloprid	0.00 ppm	<10ppb
thiamethoxam	0.00 ppm	<10ppb

Toxic Metals

	MT limit	1AW04	LOQ
arsenic	2 ppm	PASS	<10ppb
cadmium	4.1 ppm	PASS	<10ppb
lead	1.2 ppm	PASS	<10ppb
mercury	0.4 ppm	PASS	<10ppb

Microbial

	MT limit	1AW04	LOQ
E. coli	10 CFU		<10 CFU/g
Salmonella sp.	10 CFU	PASS	<10 CFU/g
molds	10000 CFU	PASS	<10k CFU/g
Aflatoxin B1,B2,G1,G2	20 ppb	PASS	<20 ppb
Ochratoxin A	20 ppb	PASS	<20 ppb

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Certificate of Analysis

Sample Information

CTLA ID: 27506
Date Received: 2/10/2021
Sample Name: ORG BS OEVOO Mint 2250 Formulation
Lot Number: 210208B
Customer:

Analysis	Method	MDL	Specification	Result	Units
Rapid Complete Micro					
Total Plate Count	USP <2021>	100	Report	<100	cfu/g
Total Coliforms	BAM CH.4	10	Report	<10	cfu/g
E. coli	USP <2022>		Report	Negative	
Salmonella	USP <2022>		Report	Negative	
Staphylococcus aureus	USP <2022>		Report	Negative	
Rapid Yeast and Mold	AOAC 997.02	10	Report	<10	cfu/g

2/12/2021
DATE

Quality Manager

Specifications provided by the Customer. Results with an asterisk (*) denote Specifications should be reviewed by the Customer. This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Method Detection Limit.

Contract TESTING Laboratories OF AMERICA

Certificate of Analysis

Sample Information

CTLA ID: 27832
Date Received: 2/17/2021
Sample Name: ORG BS OEVOO Mint 2250 Packaging
Lot Number: 210215H
Customer:

Analysis	Method	MDL	Specification	Result	Units
Rapid Complete Micro					
Total Plate Count	USP <2021>	100	Report	100	cfu/g
Total Coliforms	BAM CH.4	10	Report	<10	cfu/g
E. coli	USP <2022>		Report	Negative	
Salmonella	USP <2022>		Report	Negative	
Staphylococcus aureus <2022>	USP <2022>		Report	Negative	
Rapid Yeast and Mold	AOAC 2014.05	10	Report	<10	cfu/g

2/19/2021
DATE

Quality Manager

Specifications provided by the Customer. Results with an asterisk (*) denote Specifications should be reviewed by the Customer. This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Method Detection Limit.